

## ABSTRACT

A method for synchronizing a measurement in a communication system. Recent developments in communication systems have resulted in combining the traffic historically carried separately by telephone and data networks. The service provided by such systems is referred to as Voice over Packet (VoP) with the more popular version using the Internet Protocol (IP) commonly referred to as Voice over IP (VoIP). VoP technologies have made maintaining voice quality at high levels more complex by compressing the voice signal and transmitting it in discrete packets. With voice traffic there is the need for timely packet delivery, often in networks that were not originally designed for these conditions. Digitizing analog voice signals often affects voice clarity. Objective tests for voice quality are available but are difficult to synchronize between stations. In methods disclosed pseudo-random analogue signals which emulate white noise are created and used as synchronization signals which enable this synchronization more precisely than previous methods. These signals are relatively unaffected by the codecs commonly used for voice and data compression.